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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S48	11	(US-6339841-\$ or US-7131121-\$ or US-5815718-\$ or US-5999732-\$ or US-6253215-\$ or US-6223346-\$ or US-6584612-\$ or US-6970948-\$ or US-6983460-\$ or US-6883163-\$ or US-6779732-\$).did.	USPAT	OR	ON	2007/03/07 15:28
S49	11	suite adj file	USPAT	OR	ON	2007/03/07 15:29
S50	0	S48 and S49	USPAT	OR	ON	2007/03/07 15:29
S51	0	seraliz\$5 with class	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 08:42
S52	826	serializ\$5 with class	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 08:42
S53	13	serializ\$5 with class same resolv\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 12:01
S54	304882	resolv\$3 with2 (constant adj (pool table))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 12:03
S55	901	(717/162-167).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/08 12:03
S56	321	S54 and S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 12:03
S57	303794	resolv\$3 with2 (constant adj pool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 12:04

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S58	321	S55 and S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 12:04
S59	303549	resolv\$3 with2 (constant adj pool) same load\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 12:21
S60	313	S56 and S59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 12:05
S61	303441	resolv\$3 with2 (without with constant adj pool) same load\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 12:22
S62	303441	resolv\$3 with2 (without adj constant adj pool) same load\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 12:22
S63	303441	resolv\$3 with2 (without adj2 constant adj pool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 12:22
S64	8	(without adj2 constant adj pool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 12:22

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L1	2280	((717/166) or (713/2) or (719/332)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/08 14:16
L2	3	resolv\$3 same (without with constant adj pool) same load\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 14:16
L3	8	resolv\$3 same (without with constant adj pool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 14:16
L4	130	resolv\$3 same (constant adj pool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 14:16
L5	2990	((717/162-167) or (713/2) or (719/332)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/08 14:17
L6	27	4 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 14:16
L7	145	(717/166).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/08 14:17


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### 1 [Language and Implementation: A low-footprint class loading mechanism for embedded Java virtual machines](#)

Christophe Rippert, Alexandre Courbot, Gilles Grimaud

 June 2004 **Proceedings of the 3rd international symposium on Principles and practice of programming in Java PPPJ '04**

Publisher: Trinity College Dublin

 Full text available: pdf(144.01 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

This paper shows that it is possible to dramatically reduce the memory consumption of classes loaded in an embedded Java virtual machine without reducing its functionalities. We describe how to pack the constant pool by deleting entries which are only used during the class loading process. We present some benchmarks which demonstrate the efficiency of this mechanism. We finally suggest some additional optimizations which can be applied if some restrictions to the functionalities of the virtual m ...

### 2 [Java bytecode compression for low-end embedded systems](#)



Lars Ræder Clausen, Ulrik Pagh Schultz, Charles Consel, Gilles Muller

 May 2000 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 22 Issue 3

Publisher: ACM Press

 Full text available: pdf(241.04 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

A program executing on a low-end embedded system, such as a smart-card, faces scarce memory resources and fixed execution time constraints. We demonstrate that factorization of common instruction sequences in Java bytecode allows the memory footprint to be reduced, on average, to 85% of its original size, with a minimal execution time penalty. While preserving Java compatibility, our solution requires only a few modifications which are straightforward to implement in any JVM used in a low-e ...

**Keywords:** Java bytecode, code compression, embedded systems

### 3 [Language representations: Virtual machine showdown: stack versus registers](#)



Yunhe Shi, David Gregg, Andrew Beatty, M. Anton Ertl

 June 2005 **Proceedings of the 1st ACM/USENIX international conference on Virtual execution environments VEE '05**

Publisher: ACM Press

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IEEE JNL IEEE Journal or Magazine

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IEEE CNF IEEE Conference Proceeding

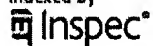
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IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

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 Sheng-De Wang; Lin, Y.;  
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- ☐ 3. **A study on an efficient pre-resolution method for embedded Java system**  
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